

## Message Text

UNCLASSIFIED

PAGE 01 BELGRA 06444 271240Z

51

ACTION EUR-12

INFO OCT-01 ISO-00 EB-07 RSC-01 /021 W

----- 045487

R 271142Z DEC 74

FM AMEMBASSY BELGRADE

TO USDOC WASHDC

INFO SECSTATE WASHDC 1570

AMCONSUL ZAGREB

UNCLAS BELGRADE 6444

E.O. 11652: N/

TAGS: BFOL YO

SUBJ: MAJOR PRODUCT OPPORTUNITY: HYBRID CIRCUITRY PRODUCTION

LINE FOR EI - NIS.

SUMMARY: WELL-KNOWN YUGOSLAV ENTERPRISE WOULD LIKE EARLY TURNKEY  
OFFER, INCLUDING ENGINEERING, TECHNOLOGY AND TRAINING AND WORTH  
\$2-4 MILLION BY EMBASSY'S ESTIMATE, OF COMPLETE, COMPUTER-CONTROLLED  
PRODUCTION LINE TO MANUFACTURE HYBRID THICK-FILM CIRCUITS. FOLLOWING  
INFORMATION FOLLOWS PTO FORMAT. END SUMMARY

1. 479/01/P-0006

2. 122674

3. W. WALLER

4. 479 YUGOSLAVIA

5. M

6A. REPLY TO --

6B. ING. JOVAN SUVAJIC, DIRECTOR

6C. ELEKTRONSKA INDUSTRIJA - FACTORY OF ELECTRONIC COMPONENTS

"AVALA"

BATAJNICKI DRUM 23

11000 BEOGRAD, YUGOSLAVIA

7. CABLE: YU EI BGD 11823

8 CO REFTEL: BELGRADE 2457

9. 101

10. 9913102-1000 PLANT FOR ELECTRONIC GOODS: TURN KEY OFFER,

INCLUDING ENGINEERING, TRAINING AND TECHNOLOGY,

FOR COMPLETE LINE OF MODERN EQUIPMENT TO

UNCLASSIFIED

UNCLASSIFIED

PAGE 02 BELGRA 06444 271240Z

MANUFACTURE HYBRID THICK-FILM CIRCUITS.

ESTIMATED COST \$2-4 MILLION. GENERAL CONTOURS:

TECHNOLOGY LEVEL: CIRCUITS SUITABLE FOR

AUTO INDUSTRY; FOR CONSUMER PRODUCTS SUCH AS COLOR AND BLACK-AND-WHITE TV AND RADIO, TELEPHONE SETS, WALKIE-TALKIE AND MOBILE RADIOS, AND POSSIBLE ELECTRONIC CALCULATORS.

-- TECHNOLOGY TYPE: THICK-FILM TECHNIQUE WITH ALUMINUM SUBSTRATUM BUT WITHOUT PLASTIC INCAPSULATION. YUGOSLAV ENTERPRISE CONSIDERS "DUPONT-TYPE" TECHNOLOGY BEST SINCE NEITHER CLEANING NOR TRIMMING REQUIRED.

-- PLANT CAPACITY: ANNUAL PRODUCTION OF ONE MILLION THREE-BY-THREE INCH PLATES IN ONE SHIFT OR EQUIVALENT IN SMALLER PLATES.

-- PLANT CHARACTERISTICS: AUTOMATION AND COMPUTER CONTROL OF ENTIRE PRODUCTION PROCUESS, INCLUDING DESIGN BY COMPUTER, AUTHOMATICALLY CONTROLLED FURNACES (CONVEYER SYSTEM), AUTOMATIC THICK-FILM PRINTER, SEMI-AUTOMATED OR COMPLETELY AUTOMATED BONDERS, ALL TRIMMING AND MECHANICAL TREATMENT BY (COMPUTER CONTROLLED) LASER, AND COMPUTERIZED FINAL MEASURING FOR LARGE SERIES. LITTLE TEST EQUIPMENT FORESEEN, SINCE FUNCTIONAL TRIMING ANTICIPATED AND INPUT-OUTPOUT CONTROL WOULD OCCUR AFTER TRIMMING. BUYER PLANS SOON TO EXPAND PRESENT RANGE OF PRODUCTION OF SEMINCONDUCTORS AND OTHER ELECTRONIC COMPONENTS. IT WISHES CONCLUDE TURNKEY ARRANGEMENT FOR HYBRID CIRCUITRY EQUIPMENT IN EARLY 1975 AND BEGIN PRODUCTION IN 1976. PLANT WILL BE DESIGNED AND ERRECTED TO FIT PRODUCTION LINE SPECIFICATIONS ON SITE NEAR BELGRADE.

BUYER IS SUBSIDIARY OF AN ORGANIZATION WHICH, AS YUGOSLAVIAS'S SECOND LARGEST ELECTRONIC ENTERPRISE, EMPLOYS 21,000 OPERATES 32 PLANST, AND MANUFACTURES VARIETY OF PRODUCTS INCLUDING CONSUMER AND INDUSTRIAL ELECTRONIC GOODS, COMMUNICATIONS EQUIPMENT, MEDICAL EQUIPMENT, HOME APPLIANCES, AND COMPONENTS FOR ITS PRODUCTION. ENTERPRISE ENJOYS GOOD RELATIONS WITH MANY FOREIGN COMPANIES, INCLUDING RCA AND TEXAS INSTRUMENTS. TOON

UNCLASSIFIED

NNN

## Message Attributes

**Automatic Decaptioning:** X  
**Capture Date:** 01 JAN 1994  
**Channel Indicators:** n/a  
**Current Classification:** UNCLASSIFIED  
**Concepts:** n/a  
**Control Number:** n/a  
**Copy:** SINGLE  
**Draft Date:** 27 DEC 1974  
**Decaption Date:** 01 JAN 1960  
**Decaption Note:**  
**Disposition Action:** n/a  
**Disposition Approved on Date:**  
**Disposition Authority:** n/a  
**Disposition Case Number:** n/a  
**Disposition Comment:**  
**Disposition Date:** 01 JAN 1960  
**Disposition Event:**  
**Disposition History:** n/a  
**Disposition Reason:**  
**Disposition Remarks:**  
**Document Number:** 1974BELGRA06444  
**Document Source:** CORE  
**Document Unique ID:** 00  
**Drafter:** n/a  
**Enclosure:** n/a  
**Executive Order:** N/A  
**Errors:** N/A  
**Film Number:** D740375-0879  
**From:** BELGRADE  
**Handling Restrictions:** n/a  
**Image Path:**  
**ISecure:** 1  
**Legacy Key:** link1974/newtext/t1974129/aaaaahbx.tel  
**Line Count:** 98  
**Locator:** TEXT ON-LINE, ON MICROFILM  
**Office:** ACTION EUR  
**Original Classification:** UNCLASSIFIED  
**Original Handling Restrictions:** n/a  
**Original Previous Classification:** n/a  
**Original Previous Handling Restrictions:** n/a  
**Page Count:** 2  
**Previous Channel Indicators:** n/a  
**Previous Classification:** n/a  
**Previous Handling Restrictions:** n/a  
**Reference:** n/a  
**Review Action:** RELEASED, APPROVED  
**Review Authority:** MorefiRH  
**Review Comment:** n/a  
**Review Content Flags:**  
**Review Date:** 30 AUG 2002  
**Review Event:**  
**Review Exemptions:** n/a  
**Review History:** RELEASED <30 AUG 2002 by ReddocGW>; APPROVED <31 DEC 2002 by MorefiRH>  
**Review Markings:**

Declassified/Released  
US Department of State  
EO Systematic Review  
30 JUN 2005

**Review Media Identifier:**  
**Review Referrals:** n/a  
**Review Release Date:** n/a  
**Review Release Event:** n/a  
**Review Transfer Date:**  
**Review Withdrawn Fields:** n/a  
**Secure:** OPEN  
**Status:** NATIVE  
**Subject:** MAJOR PRODUCT OPPORTUNITY: HYBRID CIRCUITRY PRODUCTION LINE FOR EI - NIS.  
**TAGS:** BFOL, YO  
**To:** COM  
**Type:** TE  
**Markings:** Declassified/Released US Department of State EO Systematic Review 30 JUN 2005